WITH THE FARMERS

By Prof. W. F. MASSEY



Soft?" ends, with the mid-

for the last the years, and the computation put in about 250 pounds of 10-4 fertilizer. Have always broken the land well, and worked with spring tooth cultivator. When corn gets about three feet high I throw soil to it with disk, having the disk next the corn shallow enough to keep from cutting the roots, and when corn gets larger follow with cultivator, the Iron Age, leveling the land and sowing peas. The stiff part in the middle will make some corn, but each end of the field, after making a good start in stalk, fires up and fails to make ears. I expect the land needs lime, but I am some distance from depot, but I am some distance from depot in stalk till you have destroyed nothing. You have destroyed the combination that here importance of phosphorus and potassium in seed production. But to fully explain all the complex functions carried on line portance of phosphorus and potassium in seed production. But to fully explain all the complex functions carried on in the plant would take a volume. And when you have a great corn stalk you will find that over 90 per cent of its bulk came from the air and not from the soil. There are numerous beoks on plant life that will fully explain these things.

You can dry and burn a large corn stalk till you have only white ashes left that you can hold in your hand. But you have destroyed nothing. You have destroyed nothing. You have destroyed nothing the land and potation portance of phosphorus and potassium in seed production. But to fully explain the tentile privilege of removing from the pirm and potations carried on in the plant would take a volume. And when yo but I am some distance from depot and have a steep hill to climb. Have a good crop of peas and crab grass to turn under. What would you advise to make a good crop of wheat and leave it in condition to make a crop of corn the next year?" Your letter is something of a puzzle. You say at first that the two ends of the field of the making of other late the two ends of the field of the making of other late that which have in the past year or two been added to the equipment of several from the air are still in existence, and have gone back where they came from the back where

Mildew in a greenhouse is favored with the best thing is to keep of air, but the best thing is to keep conditions in the house unfavorable to the fungus; a temperature uniform and adapted to the nature of the plants grown. Half hardy things need a grown Half hardy things need a

The roots take up water from the soil leden with plant food, and in the leaves this comes in contact with the carbon the leaves get from the air, and the first thing we can detect in the plant cells is starch. The living matter, which is called protoplasm, uses this starch to build cell walls, and from the starch all the so-called carbohydrates in the plant are made, such as sugar, oil, acids, etc. In the youngest state of the cells, they are all in connection with each other, and the formed material is sent in every direction where new cells of growth are being made, up and down, to the top of the plant, and the extremity of the of the plant, and the extremity of the far better.

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PRATT FOOD CO., Philadelphia--Chicago

What Is the Mat- not be made unless there is an abundant supply of potash at hand. Starch is made in the presence of potash, but have a field of light starch is formed it is conveyed by the high land at both phosphorus to all points where growth is being made, and also is stored in seeds and lubers for the future use of the plant. In some seed, the starch is subsoil. On the largely changed into oil, and in some sides of the field 1 to sugar, and in most seeds is stored out pines off and as starch. This is especially true in put tin cultivation. Nitrogen, by supplying the living matter that does all the work in the well, but in the plant, increases the vital energy and stimulates growth.

But growth consists in building new

hard to make corn, although I get good wheat or it. I have been working this field in corn with peas sown among it and followed by wheat for the last five years, and with each crop put in about 250 pounds of 10-4 crop put in about 250 pounds of 10-4 for making seed, and hence the important properties. Have always broken the

a good crop of wheat and crab grass to turn under. What would you askies to make a good crop of wheat and cord corn the next year." Your letter is something of a puzzle. You say at first that the twe ends of the next year." Your letter is something of a puzzle. You say at first that the twe ends of the next year." Your letter is something of a puzzle. You say at first that the twe ends of the next year." Your letter is something of a puzzle. You say at first that the twe ends that fire and fall. You are runting too short a retailon, and turning under the pean death. You are runting too short a retailon, and turning under the pean death. I have no death. Where the your was that it is the two ends the limits and yet all too came from the land arch. I have no death. I have no death the half and can be captured again by compared the pean of the pean death. I have no death the pean and the pea

conditions in the house unfavorable to the funaus; a temperature uniform and adapted to the nature of the plants grown. Half hardy things need a lower night temperature than tender tropical plants, and the two cannot be well grown in Aybe same house. To prevent mildew of knew found one of the hest things is to sikke equal parts of lime and sulphur, and use the resulting liquid to paint on the hot water pipes. If mildew appears, spray with a tablespoonful of formaldehyde in two gallons of water. There is also an article sold by seedsmen called Fungine, which I have found good. Spraying the soll with Bordeaux mixture will have no effect on the mildew. Tracing Plant Food in a Cornstalk. Powhatan County: "Will you please trace the phosphoric acid, nitrogen and potash through a cornstalk, and state the role each one plays in the making of that stalk, as plainly as you can?" And the writer adds: "Please send it to me by return mail," and does not think it worth even a 2-cent stamp. do not give personal replies by mail and pay my own postage, so you will have to walt your turn in the paper. It may be of interest to many to know what is the effect on the plant of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, and in the plant of the different plant foods, and in the plant of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the different plant foods, so I will endeavor to tell some of the effects of the diff

The Tenant System.
Alexandria: "Some time since I saw
The Times-Dispatch an account of in The Times-Dispatch an account of the agreement between owner of land and tenant, and you said that it was satisfactory in Maryland, where it originated. I failed to clip the article. Will you please write me another copy?" I am too busy a man to keep writing about this, as many are requesting. The Department of Agriculture has issued a bulletin on the Maryland tenant system, giving a full account of one of the largest estates. This is one of the series of farmers bulletins, and is entitled "A Tenant System and Its Results" Now I hope that all who are interested in this matter will write to the Secretary of Agriculture and ask for a copy of this bulletin, which will tell the whole better than I could in a dozen letters, which I have no time to write.

Board Plans to Convert Old Meat Market Into Home for Motors.

Lather, Va.: "I there is no potash in starch. When STALLHOLDERS MUST MOVE

Be Renewed After Janu-

ary 1.

Richmond is to have a municipal garage. It will be located in the building on Marshall Street, between

Brother Joshua Anthony. All members of sister lodges are respectfully invited to attend.

By order of Worshipful Master.

W. H. ANDERSON,
Sceretary.

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IIS OWN GARAGE Last Booklovers' Contest Picture To-day

Do Not Send in Your Set Until Monday, October 27th. All Sets Must Be In By 6 P. M. of Saturday, November 1st. Answer Books and Catalogues and Pictures May Be Secured Until 6 P. M.

Notified That Leases Will Not of Saturday, October 25th.

CONTEST EDITOR'S

:::OFFICIAL:::

Booklovers' Catalogue

Here is a portion of one of the pages

of the Catalogue, showing how the titles are listed in alphabetical order. One of the catalogue certificates, redeemable for five free pictures, is shown also. The 77 titles boom Minded Fairy, The Margares BV ande grift: An Anna Johnson Sanuel Bowles. Across the Continent—Samuel Bowles.
Across the Continent—Samuel Bowles.
Across the Guif—Mrs. N. M. Vanderwoork.
Across the Guif—Mrs. N. M. Vanderwoork.
Across the Saft Seas—J. Bloundelle-Burton
Actions and Reactone—Reduced Kiphina
Actions and Junk—S. E. George
Admirable Tinker. The—Bdgs
Admirable Tinker. The—Bd contained in this catalogue, and YOU This certificate will be accepted by this newspaper in Ri-ntert new bring conducted in assistance for the FIVE PSA-RES and COUPONS steed above. REDERMABLE ONLY AFTER THE ABOVE FIVE PICTURES TO COUPONS HAVE BEEN PUBLISHED IN OUR PAPER

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If you cut this order form, fill it out and send or bring it in with the sum designated, you will receive the Official Copyrighted Contest Catalogue of about 5,000 book titles, and seven certificates redeemable for the first thirty-five pictures in the contest. In the catalogue are all the correct titles to the seventy-seven pictures. Catalogue, 35 cents at this office, 40 cents by mail.

Do Not Send Stamps or Silver. Send Check or Money Order.

Booklovers' Contest Editor,

The Times-Dispatch:

Inclosed find 40 cents, for which send me a Booklovers' Contest Catalogue of about 5,000 book titles and the seven certificates redeemable for the first thirty-five pictures.

City.....State.....

Here Are the Judges of the Booklovers' Contest Game:

HON. GEO. AINSLIE, Mayor of Richmond.

REV. EDW. N. CALISCH, Ph.D., A Distinguished Scholar and Writer.

W. L. PRINCE, Dean of Richmond Academy.

Their names stand as an absolute guarantee of the fairness of he contest, and they will have immediate and personal charge of the contest, and will see that an impartial awarding of the prizes is made. The checking of the sets of answers will be entirely in

The Answer Book Helps You

The Answer Book contains seventy-seven double pages. You paste in it one copy of each picture, and below it you write from one to ten answers to each one. One copy of a picture is all you need, and you can submit \$38.50 worth of answers.

The Answer Book is similar to a stenographer's note-book, being bound at the top. The top pages are numbered from one to seventyseven, inclusive. Each of the bottom pages has ten blank spaces ruled off on it. One copy of each of the seventy-seven pictures is pasted by the contestant on the seventy-seven top pages. On the bottom pages, beneath where each picture is pasted, the contestant writes down from one to ten answers.

BEWARE OF FAKERS Who Offer to Sell Worthless List of Titles---They Cannot Help You

How They Work

These fakers generally advertise that for a 2-cent stamp they will send several titles, which, in the opinion of the fakers, will prove correct titles to the pictures. Accompanying the "sample" lists of titles will be a letter advising that for 50 cents, a dollar, two dollars, or more, they will supply lists of titles that will seem to fit the pictures. Don't deal with these sharpers. If they could furnish a list of titles, they would solve the pictures—they would use their own lists and win the prizes. They know no more about the titles than you do.

The principal features in connection with this contest are copyrighted by

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THIS IS A SAMPLE OF THE Booklovers' Answer Book

INSTRUCTIONS and EXPLANATIONS

PASTE PICTURE BELOW THIS LINE This Page Is For Puzzle No. 38

INSTRUCTIONS AND EXPLANATIONS

Read the Contest rules in our paper. You will then know the number of puzzles that will be published during the contest, also how many answers you may submit to each one.

As each puzzle appears in the paper, cut it out Trim it neatly around the heavy dotted lines, attach same carefully on this sheet.

Each puzzle is numbered. When you have attached ame in this space, study it carefully, and sub-mit your answers on the page

In the space on the page below is plenty of room for submitting one or as many replies to this puzzle as the rules of the Contest

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Find herewith 80 cents (75 cents at office), for which deliver to me your Answer Book and six certificates, returnable as the pictures appear

in the contest for Pictures Nos. 36 to 70.

Do not send stamps or silver. Send check or money order.

The Times-Dispatch's Great \$1200.00 Gold Booklovers' Contest Date, October 11th Picture No. 77



What Book Does This Picture Represent? Write Title and Name of Author in Form Below

Street and Number

TOTAL NUMBER OF PICTURES, 77. Contest began July 27th. Each day a different picture appears in this space. Cut them out. Save them until the last picture appears on October 11th. Don't send in partial lists. Wait until you have all the answers to the 77. Read Rules, Daily Story and Special Announcements in another part of this paper. It will help you win a prize. Extra pictures and coupons of any date that have appeared may be had at 2c. Enter to-day without registering your name. Merely Save Pictures and Coupons as they appear.